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Atty. Docket:UCONAP/141/US

In re patent application of first named inventor: Alexandros Makriyannis et al

Application No.:

09/328,742

Examiner:

A. N. Pryor

Filing Date:

June 6, 1999

Group Art Unit:

1616

For:

Inhibitors Of The Anandamide Transporter As Analgesic Agents

#### TRANSMITTAL LETTER

Commissioner for Patents, U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Crystal Plaza 2, Lobby, Room 1B03, Arlington, VA 22202

Sir, enclosed herewith is (are):

- Information Disclosure Statement
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- return postcard

It is hereby petitioned that any required extension of time be granted for filing the enclosed papers. An extension of 0 month(s) having a fee of \$0 appears required.

☐ If checked, claims are being amended.

No: of claims remaining Highest no. of claims no. claim subtotal after amendment previously paid for extra fee

Total

Total

Total \$ \$0.00 Independent \$ \$0.00

Total claim fees

\$ 0.00

If checked, a check in the amount of \$180.00 is attached. Please credit any overpayment to Deposit Account 16-2563 of Alix, Yale & Ristas, LLP.

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Date: 6/25/07 Alix, Yale & Ristas, LLP 750 Main Street- Suite 1400 Hartford, CT 06103-2721

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JEP/kcs/enclosures

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Attorney Docket: UCONAP/141/US

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Alexandros Makriyannnis et al

Application No.:

09/328,742

Examiner:

Pryor, Alton Nathaniel

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Commissioner for Patents, U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Crystal Plaza 2, Lobby, Room 1B03, Arlington, VA 22202

Sir:

### Information Disclosure Statement

Applicant submits herewith patents, publications or other information of which they are aware and which they believe may be material to the examination of the above-identified application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(b) exists.

For US national applications filed after June 30, 2003 and International applications that have entered the national stage after June 30, 2003 a copy of a cited US patent or cited US patent publication is NOT required. See OG Notices: 5 August 2003.

06/30/2004 CCHAU1 00000075 09328742

Attorney Docket: UCONAP/141/US

Accordingly, no copies of a cited US patent or cited US patent publication are enclosed for

these applications. A copy of each item other than a US patent or a US patent publication

listed on the attached INFORMATION DISCLOSURE CITATION IN AN APPLICATION is

supplied herewith.

For US national applications filed before June 30, 2003 and International

applications that have entered the national stage before June 30, 2003 a copy of each of

the items listed on the attached INFORMATION DISCLOSURE CITATION IN AN

APPLICATION is supplied herewith.

Citations in bold type and having a name preceded with \*1\* indicate references

which are believed to be more closely related to the claimed subject matter. This indication

is not meant to indicate or imply any position with respect to the remaining references.

Citations in italics and having a name preceded with \*\*\* indicate references for

which Applicant has no copy to submit. If a copy of any of these references is procured

the same will be filed in a subsequent IDS.

Respectfully submitted,

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## INFORMATION DISCLOSURE **CITATION IN AN APPLICATION**

Application No. Inventor Alexandros Makriyannis et al 09/328,742 Title

Inhibitors of the Anandamide Transporter as Analgesic Agents

Group Art Unit Docket No. Filing Date UCONAP/141/US 06/06/1999 1616

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	10/110830	10/18/00	Makriyannis et al (copy not included, this is the U.S. National Phase of the Int'l Application published as WO 01/28329 enclosed herewith)	
	10/110812	10/18/00	Makriyannis et al (copy not included, this is the U.S. National Phase of the Int'l Application published as WO 01/28498 enclosed herewith)	
	10/110862	10/18/00	*1* Makriyannis et al (copy not included, this is the U.S. National Phase of the Int'l Application published as WO 01/29007 enclosed herewith)	
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Application No. Inventor 09/328,742 Alexandros Makriyannis et al DISCLOSURE CITATION IN AN Title Inhibitors of the Anandamide Transporter as Analgesic Agents **APPLICATION** Group Art Unit Filing Date Docket No. 06/06/1999 UCONAP/141/US 1616 5747524 5/5/98 Cullinan et al 5744459 4/28/98 Makriyannis et al 5817651 10/6/98 D'Ambra et al 5872148 2/16/99 Makrivannis et al 5925768 7/20/99 Barth et al 5932610 8/3/99 Shohami et al 9/7/99 5948777 Bender et al 1/11/00 Rinaldi et al (appears equivalent to 6013648 FR2735774) Barth et al 6028084 2/22/00 9/1/00 Mechoulam 6096740 6127399 10/3/00 Yuan 12/26/00 6166066 Makriyannis et al 6284788 10/4/01 Mittendorf et al (appears equivalent to EP860168) FOREIGN PATENT DOCUMENTS Examiner Document No. Date Country Name Translation Initial 8/3/88 EP EP0276732 Hoffman La Roche EP EP0471609 6/29/93 Gubin et al, in French, front page only (English bibliography and abstract, appears equivalent to US5223510) EP0737671 10/16/96 EP \*1\* Takeda Chemical Industries, front page only (bibliography, appears equivalent to US 5804601) EP0860168 9/4/01 EP Mittendorf et al. in German. front page only (including English bibliography, appears equivalent to US6284788)

JUN 2 9 2004

Application No. Inventor Alexandros Makriyannis et al 09/328,742 INFORMATION DISCLOSURE **CITATION IN AN** Title Inhibitors of the Anandamide Transporter as Analgesic Agents APPLICATION Group Art Unit Docket No. Filing Date 06/06/1999 UCONAP/141/US 1616 Matsumoto et al, in French FR 5/27/75 FR2240003 (including English bibliography and abstract, appears equivalent to US3886184) FR Barth et al, in French FR2735774 1/11/00 (including English bibliography and abstract, appears equivalent to US6013648) Mechoulam et al, in English GB2027021A 2/13/80 GB (appears equivalent to US4282248) Nakayama Hajime et al, in JP2304080 12/17/90 JP Japanese (including English bibliography and abstract) Noda et al, in Japanese JP JP57098228 6/18/82 (including English bibliography and abstract) \*1\* Makriyannis et al, in WO 00/32200 6/8/00 **English** Makriyannis et al, in English WO 01/28329 4/26/01 Makriyannis et al, in English WO 01/28497 4/26/01 Makriyannis et al, in English 4/26/01 WO 01/28498 Makriyannis et al, in English WO 01/28557 4/26/01 Makriyannis et al, in English WO 01/29007 4/26/01 5/10/01 Fride et al, in English WO 01/32169 Pandit et al. in English, first WO 01/58869 8/16/01 page only (including bibliography and abstract, appears equivalent to US2002/0119972) Rinaldi et al, in French WO 97/00860 1/9/97 (including English bibliography and abstract, appears equivalent to US6013648) WO 99/57107 11/11/99 Makriyannis et al, in English

JUN 2 9 2004

Application No. Inventor Alexandros Makriyannis et al 09/328,742 INFORMATION DISCLOSURE CITATION IN AN Inhibitors of the Anandamide Transporter as Analgesic Agents **APPLICATION** Docket No. Group Art Unit Filing Date UCONAP/141/US 06/06/1999 1616 \*1\* Makriyannis et al, in 12/16/99 WO 99/64389 **English** OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Examiner Initial Alo, B.I.; Kandil, A.; Patil, P. A.; Sharp, M. J.; Siddiqui, M. A.; and Snieckus, V. Sequential Directed Ortho Metalation-Boronic Acid Cross-Coupling Reactions. A general Regiospecific Route to Oxygenerated Dibenzo[b,d]pyran-6-ones Related to Ellagic Acid, J. Org. Chem. 1991, 56, 3763-3768 \*\*\* Archer et al: "cannabinoids, synthesis approaches to 9ketocannabinoids."; J. Org. Chem.; vol. 42; no. 13; 2277-2284; (1977) Arnone M., Maruani J., Chaperon P, et al, Selective inhibition of sucrose and ethanol intake by SR141716, an antagonist of central cannabinoid (CB1) receptors, Psychopharmacal, (1997) 132, 104-106. (abstract only) Beak, P.; and Brown, R A., The Tertiary Amide as an Effective Director of Ortho Lithiation, J. Org. Chem. 1982, 47, 34-36 Belgaonkar et al; "synthesius of isocoumarins"; Indian J. Chem; vol. 13; no. 4; 336-338; 1975 (abstract only) Berdyshev EV, Cannabinoid receptors and the regulation of immune response. Chem Phys Lipids. 2000 Nov; 108(1-2):169-90 Bodnar, V.N., Lozinskii, M.O., Pel'kis, P.S.; "Synthesis of 2,5-disubstituted 1,3,4-oxadiazoles and 1,4-dihydro-1,2,4,5-tetrazines"; Ukrainskii Khimicheskii Zhurnal (Russian Edition); 48(12); 1308-1311; 1982 (abstract Brenneisen R, Pgli A, Elsohly MA, Henn V. Spiess Y: The effect of orally and rectally administered 9 - tetrahydrocannabinol on spasticity, a pilot study with 2 patients. Int. J. Clin Pharmacol Ther. (1996) 34:446-452. (abstract only) \*\*\* Brotchie JM: Adjuncts to dopamine replacement a pragmatic approach to reducing the problem of dyskinesia in Parkinson's disease. Mov. Disord. (1998)13:871-876. Brown et al; "Synthesis and hydroboration of (-)-2-phenylapopinene, Comparison of mono(2-phenylapoisopinocampheyl)borane with its 2-methyl and 2-ethyl analogues for the chiral hydroboration of representative alkenes"; J. Org. Chem.; 55(4); 1217-1223; (1990)

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			Title				
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